

KUGAVARATHAN

Software Engineer Intern

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Linkedin | GitHub | HackerRank | Medium | Portfolio

PROFILE

Highly motivated third-year undergraduate pursuing a BSc (Hons) in Computing and Information Systems, passionate about AI-driven software engineering and modern web development. Skilled in React.js, Node.js, Express, MongoDB, Next.js, Java, and PHP, with hands-on experience building responsive and scalable web applications. Familiar with Git version control, Agile development, and eager to explore AI tools such as ChatGPT, GitHub Copilot, and Google Gemini Pro to enhance coding productivity. Quick to learn new technologies like cloud platforms with strong problem-solving, communication, and teamwork skills.

EDUCATION

B.Sc. (Hons) in Computing and Information Systems

Sabaragamuwa University of Sri Lanka | July 2023 – Present.

Physical Science Stream (G.C.E. Advanced Level)

J/Hartley College | Completed 2021.

TECHNICAL SKILLS

Programming Languages - Java, JavaScript, PHP

Frontend Development - HTML, CSS, Bootstrap, Tailwind CSS, React.js, Redux Toolkit, Next.js

Backend Frameworks & Authentication - Node.js, Express.js, Spring Boot, JWT

Databases - MySQL, MongoDB

Testing Tools - Jest

Cloud & DevOps - Docker, Git, GitHub

Development Tools - VS Code, IntelliJ IDEA, Eclipse, Figma

Software Architecture & Methodologies - Object Oriented Programming, MVC, Data Structures & Algorithms, Agile

PROJECTS

1) VARA Fashion E-Commerce Web Application (Individual Project) [Demo](#)

- Developed a full-stack MERN e-commerce app with user login, product management, shopping cart, and admin dashboard.
- Integrated JWT authentication, responsive UI, and a simple chatbot to assist users during shopping.
- Implemented MVC architecture.

Tech: MongoDB, Express.js, React.js, Node.js, Tailwind CSS

2) Full Stack AI Chatbot (Individual Project)

- MERN-based AI chatbot app allowing users to sign up, generate text using Google Gemini and images via ImageKit.
- Added online payment gateway for purchasing credits and managed authentication with Node.js & MongoDB.
- Deployed the complete AI SaaS application with secure APIs and responsive UI.

Tech: MongoDB, Express.js, React.js, Node.js, ImageKit, OpenAI API

3) Full Stack E-Commerce Website (Individual Project)

- Built a modern e-commerce platform using Next.js, MongoDB, and Tailwind CSS with server-side rendering for fast performance.
- Integrated Clerk for secure user authentication and Inngest for background task automation.

Tech: Next.js, React.js, MongoDB, Tailwind CSS, Clerk, Inngest

4) Smart School Management System (Individual Project)

- Developed a role-based web application to streamline school operations for admins, teachers, students, and parents.
- Automated attendance, fee tracking, academic records, and internal communication.
- Enabled PDF report generation, media sharing, and inventory management for real-world school workflows.

Tech: PHP, HTML, CSS, Bootstrap 5, JavaScript, MySQL, FPDF library

5) Movie Review Application

- Designed and developed a full-stack web app enabling users to browse, review, and manage movies with real-time updates and clean separation between frontend and backend logic.

Tech: Java, Spring Boot, MongoDB, React

CERTIFICATION COURSES

- Introduction to MERN
- Postman API Fundamentals Student Expert
- React
- JavaScript Essential
- SQL (Intermediate)
- Fundamentals of Java Programming
- Building Applications with Spring Boot and MVC Architecture
- Getting Started with Git and GitHub
- Java Data Structures & Algorithms + Leetcode exercise
- Introduction to AI

SOFT SKILLS

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|-------------------|-----------------|
| • Leadership | • Team work |
| • Communication | • Self-learning |
| • Time management | • Creativity |

VOLUNTEERING & LEADERSHIP

- Finance Team Member, PearlHack 3.0 – IEEE WIE Affinity Group, Sabaragamuwa University
- Assistant Manager, IT & Satellite Division – SEDS Sabaragamuwa
- Web Team Member, IEEE WIE – Sabaragamuwa University of Sri Lanka
- Volunteer IEEE student branch of Sabaragamuwa University of Sri Lanka
- Cricket Team Captain (U-19) – J/Hartley College

ACHIEVEMENTS

- Semi-Finalist, HackX 8.0 (2023) – University of Kelaniya
- Participant, J'pura Xtreme Hackathon 2024 – University of Sri Jayewardenepura

REFERENCES

Professor (Dr.) S.Vasanthapriyan, Ph.D.
Chair, IEEE Sri Lanka Section,
Dean, Faculty of Computing,
Professor in Computer Science,
Sabaragamuwa University Of Sri Lanka,
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